

Appln No. 10/713,086
Amdt. Dated May 28, 2004
Response to Office action of April 7, 2004

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~A method of producing a~~ thermoelastic actuator assembly having desired operating characteristics, said thermoelastic actuator being made by a method which includes the steps of:

determining a desired negative pressure pulse characteristic for the actuator;
determining a heat dissipation profile corresponding to the desired negative pressure pulse characteristic; and
forming the thermoelastic actuator with a heat conduction means arranged to realize said profile.

2. (Currently Amended) ~~A method~~ The thermoelastic actuator according to claim 1, wherein the step of determining a desired negative pressure pulse characteristic includes a step of determining the physical qualities of a fluid to be used with the thermoelastic actuator.

3. (Currently Amended) ~~A method~~ The thermoelastic actuator according to claim 2, wherein the step of forming the thermoelastic actuator with a heat conduction means arranged to realize said profile includes forming one or more heat conductive layers in a passive bend layer of the actuator.